

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 (currently amended). A method for image transmission, said method comprising the acts of:

hosting an image file on a server;

~~requesting said image file from a client;~~

parsing said image file on said server to determine a representative part of said image;

transmitting said representative part of said image file to said client;

selecting a customization of said image file through a client interface on said client;

transmitting said customization ~~information~~ selection from said client to said server;

parsing said image file on said server to determine image data associated with said  
customization; and

transmitting said image data associated with said customization to said client.

2 (original). The method of claim 1 wherein said representative part of said image file is a low-resolution version of said image.

3 (original). The method of claim 1 wherein said client interface prompts a user for image customization data.

4 (original). The method of claim 1 wherein said selecting a customization comprises selecting data from the group consisting of quality data, scalability data, resolution data and region-of-interest (ROI) data.

5 (original). The method of claim 1 wherein said selecting a customization comprises displaying a thumbnail image to a user and allowing a user to select customization characteristics by interaction with said thumbnail image.

6 (original). The method of claim 1 wherein said image file is a JPEG 2000 file.

7 (original). The method of claim 1 wherein said transmitting uses an HTTP transmission protocol.

8 (original). The method of claim 1 wherein said selecting a customization of said image comprises selecting an image resolution below the maximum resolution available for said image.

9 (original). The method of claim 1 wherein said transmitting said customization data comprises streaming said customization of said image to said client.

10 (original). The method of claim 1 wherein the size of said representative part is relative to the bandwidth of the connection between said server and said client interface.

11 (original). The method of claim 1 wherein said representative part comprises metadata comprising data selected from the group consisting of image quality data, scalability data, resolution data and ROI data.

12 (original). The method of claim 1 wherein said client caches data recieved from said server.

13 (currently amended). A method for interactive customized image transmission, said method comprising the acts of:

hosting an image file on a server;

~~requesting said image file from a client; parsing said image file to obtain a~~  
thumbnail version of said image file;

transmitting a said thumbnail version of said image file to said client;

selecting a customized version of said image file through user input at said client;

transmitting said customized version ~~information~~ selection from said client to said  
server;

reading and parsing said image file at said server to determine image data

required for said customized version; and

transmitting said image data required for said customized version to said client.

14 (cancelled).

15 (original). The method of claim 13 wherein said selecting a customized version of said image comprises selecting an image resolution below the maximum resolution available for said image.

16 (original). The method of claim 13 wherein said selecting a customized version of said image comprises selecting quality scalability.

17 (original). The method of claim 13 wherein said selecting a customization of said image comprises selecting a region of interest on said image.

18 (original). The method of claim 13 wherein said image file is a JPEG 2000 image file.

19 (original). The method of claim 13 wherein said transmitting employs a HTTP transmission protocol.

20 (currently amended). An apparatus for interactive customized image transmission, said

apparatus comprising:

a server having an image file stored thereon;

a parser on said server for parsing said image file and determining what image file

data is required to communicate various customized versions of said

image file; and

a client having a client image interface;

wherein said client image interface enables a user to request a customized version

of said image file, and said parser on said server has the ability to

determine what image data is required to communicate said customized

version and transmit said image data to said client.

21 (original). An image server enabling interactive customized image transmission, said server

comprising:

storage for storing at least one image file;

a receiver for receiving requests from a client for customized versions of said at

least one image file;

a reader/parser for reading and parsing said image file and determining what

image data is required to render said customized versions of said image

file; and

a sender for sending said customized image data to said client.

22 (original). A computer-readable medium comprising instructions for creating a customization

of an image file, said instructions comprising the acts of:

storing at least one image file;

receiving requests from a client for customized versions of said at least one image  
file;

reading and parsing said image file and determining what image data is required  
to render said customized versions of said image file; and

sending said customized image data to said client.

23 (original). A computer data signal embodied in an electronic transmission, said signal having  
the function of creating an image index file, said signal comprising instructions for:

storing at least one image file;

receiving requests from a client for customized versions of said at least one image  
file;

reading and parsing said image file and determining what image data is required  
to render said customized versions of said image file; and

sending said customized image data to said client.